

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** June 22, 2005

**Inspector:** Diana Walden

**Location:** 115 kV Underground Route

**Storm/**

**Rain Event:** The area received up to a 0.75" storm on 6/16 in some locations to only a trace to 0.15" as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Vault installation is complete along Gallows Hill Road. 6/15/05	- All activities seem well contained on the roadway 6/22/05
<b>Gallows Hill Road and Rt. 107 Lonetown Rd, Redding</b>	- Ductwork/installation was finishing for the day near #96-109 Gallows Hill Road. The trench was being covered and repaved. 6/22/05  - Vault #12 installation was ongoing along Rt. 107 (Lonetown Rd.). The vault is in place and it was being flow-filled. 6/22/05	- All activities were well contained here. See erosion control, dewatering and storage sections for more information. 6/22/05
<b>Rt. 107 Putnam Park Road portion, Redding</b>	- Trenching and ductwork/ installation was occurring near #35 Putnam Park Rd (Rt 107). Work here has gone more slowly than expected due to a large amount of rock in the trench. 6/22/05  - The vault installation near Putnam Park was completed at the time of inspection. 6/22/05	- Activities are fairly well contained to the roadway. See erosion control, dewatering and storage sections for more information. 6/22/05

Areas of Inspection	Observation	Recommended Action
<b>Broad Street and Rt. 7 , Norwalk</b>	<p>-Conduit installation was occurring near the Broad St end of the ROW and trenching continued up into the roadway shoulder. 6/22/05</p> <p>- Trenching had been taking place in several locations along the roadway Rt. 7. 6/22/05</p>	<p>-Activities are fairly well contained to the roadway. See erosion control, dewatering and storage sections for more information. 6/22/05</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- For the most part, silt fence has been well installed where the work is located adjacent to wetlands off the roadway along Rts 58, 107, 7, Gallows Hill Road and the ROW. 6/15/05</p> <p>- Several check dams have been placed in the existing country drainage swales and inlets along the roadway to protect them from sedimentation. 5/13-6/22/05</p> <p>- Stockpiles are not currently present for the most part. All excavated material is currently being trucked to the Redding town yard and stored temporarily and then brought off site for disposal. 6/22/05</p>	<p>- In general most areas are in good repair but a few areas require maintenance. Continue to be proactive in maintenance as necessary. See below for site-specific issues. 6/22/05</p>
<b>Gallows Hill Road and Rt. 107 (Lonetown Rd)</b>	<p>-Vault installation on Gallows Hill is complete. The area adjacent to completed vault #13 was mulched with hay and silt fence repaired. 6/22/05</p> <p>- All silt fence associated with the Gallows Hill ductwork/ installation areas were well installed. 6/22/05</p> <p>- Some erosion/deep potholes were noted in the asphalt along the edge of the completed trench cover east of Longwood Drive. 6/22/05</p>	<p>- Most erosion controls along Gallows Hill are in good repair. The pull off area near completed vault #15 still has a pile of stone off the roadway against the silt fence and other trench components left here. This area should be cleaned up when feasible 6/22/05.</p> <p>- Asphalt will be placed here to repair the potholes. 6/22/05</p>

Areas of Inspection	Observation	Recommended Action
<b>Gallows Hill Road and Rt. 107 (Lonetown Rd), Redding continued</b>	<p>- Two areas along Rt. 107 still require silt fence repair where portions of the fence are no longer toed in. One was located near the Redding Country Club pond and the second was just south of vault #12 along Rt. 107 6/15-6/22/05</p>	<p>-Silt fence should be repaired/toed in prior to active trench work in these areas. 6/22/05</p>
	<p>- Installation of vault #12 on Rt 107 had required some bank cuts in the shoulder of the roadway. This included work near a shade tree but it appears damage to the major roots was avoided. 6/22/05</p>	<p>- The areas should be temporarily restored with some mulch and grading until the trench work comes through the area. 6/22/05</p>
<b>Rt. 107 Putnam Park Road portion, Redding</b>	<p>- The vault installation in front of Putnam Park is complete. This work was largely kept to the shoulder of the roadway. 6/22/05</p> <p>-The new silt fence installed near the pull off and storage area near the park was not toed in and small soil/stone piles are still in the vicinity. 6/22/05</p> <p>- Major concrete washouts are still performed at the Redding town yard. 6/22/05</p> <p>- The ductwork/installation and concrete pouring here is going well and the remainder of silt fence in this stretch is in place. 6/22/05</p>	<p>- The area is temporarily restored. 6/22/05</p> <p>-The silt fence should be toed in several inches otherwise it will not filter run-off and sediment as intended. This should be maintained as long as 115kV related storage occurs here. 6/22/05</p>

Areas of Inspection	Observation	Recommended Action
<b>Broad Street and Rt. 7, Norwalk</b>	- The silt fence along the ROW edge was repaired and in good shape. The completed portions of trench were backfilled and the ROW was regraded. The surface looks very good but it is likely invasive Japanese Knotweed will revegetate here do to its establishment in surrounding areas. 6/22/05	- None at this time. 6/22/05
	- Several locations along Rt. 7 are being trenched at this time but almost all adjacent areas are highly developed commercially. 6/22/05	- None at this time. 6/22/05
Contaminated Soils	- The vault #12 installation is in one of the areas flagged as having contaminated soil along Lonetown Rd. Soil is being stored and labeled separately from that considered “background polluted” and both types are brought off site to an O&G facility in Bridgeport. Water from these soils are sent to a tank truck. 6/22/05	- It should be determined whether the “polluted” soils exceed the levels approved as daily cover for the landfill if the Town of Redding is still interested in obtaining it. 6/22/05
Adjacent Wetlands and Waterways	-None of the wetland resource areas adjacent to the roadway work were affected by the activities in any of the locations. No sedimentation or turbidity was noted. 6/22/05	-None at this time. Continue to monitor.
Staging, Storage, and Parking Areas	<p>- The <b>pull-off</b> on the side of <b>Gallows Hill Rd</b> that has been designated as a machinery parking area also contains a stone pile. 6/22/05</p> <p>- A second <b>Gallows Hill pull-off</b> near the completed vault #15 installation has some stone and trench components stored here. 6/22/05</p> <p>- In <b>Redding Town Yard</b>, soil</p>	<p>- There are no impending issues here at this time. 6/22/05</p> <p>- There are no impending issues here at this time but the area should be cleaned up when feasible. 6/22/05</p> <p>- If the piles progress beyond</p>

Areas of Inspection	Observation	Recommended Action
	<p>excavate is only temporarily stored here until it can be trucked for disposal in the O&amp;G facility in Bridgeport. Soil considered "background polluted" is kept separately from that considered contaminated. The soil piles here are not very large at this time. 6/22/05</p> <p>- Concrete washouts are also taking place within the yard in a specified location. The area was recently cleaned out and bermed up and this prevents washing to the catch basin on site. 6/22/05</p> <p>- The <b>Putnam Park parking lot</b> is also being used for temporary equipment storage and includes small sand/stone piles and some machinery. 6/09-6/22/05</p>	<p>the bins, haybales should be placed downgradient of the pile unless this is in the way of active equipment movement. 6/15/05</p> <p>- The berm solution is very good and the washout area was well contained at the time of inspection. It should be emptied regularly to prevent escape of the wash water. 6/22/05</p> <p>- Although the area has disturbed soil due to a separate project at the park, it should be monitored since it is being used for the 115kV project. 6/22/05</p>
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-No significant clearing has been necessary along the roadways at this time with the exception of some minor ground cover disturbance. 6/22/05</p> <p>- The area near vault #12 required some bank cuts into the roadway shoulder. A shade tree here required some branch trimming but the major roots did not seem to be impacted 6/22/05.</p>	<p>- When ground cover removal is necessary along the sides of the roadway, the areas will be restored and reseeded following the work. 6/22/05</p> <p>- The bank cuts should be temporarily restored and mulched until the trench crews arrive in this area. 6/22/05</p>
Dewatering	- <b>Rt.107 Putnam Park Road</b> Only minor dewatering was needed in this location due to all of the rock. It had been released to an approved	- It is still to be determined if problem levels are present in water from polluted soils in some areas and whether the water can be released to an

Areas of Inspection	Observation	Recommended Action
	<p>dewatering corral. 6/22/05</p> <p>- <b>Rt. 107 Lonetown Rd.</b> The vault installation required over 6500 gallons to be dewatered over the construction period. This water was all directed to a tank truck due to the fact the soils here are flagged as contaminated. 6/22/05</p>	<p>approved dewatering corral. It would be best to allow the water to recharge to the wetlands here if "pollution" levels are not above the approved limits. 6/15-6/22/05</p> <p>NU was looking into testing the water to make this determination. 6/22/05</p>
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.
Spills and Material Storage	-Leaks were not noted from the machinery during this inspection. A report of any leaks or spills that reach the ground and occur during the week will be provided to BSC from internal project inspectors 6/15-6/22/05	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>
Additional Observations		

**Next likely scheduled inspection:**

Wednesday, June 29, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden





115 kV (Broad Street-Norwalk)- Conduit installation has been completed from the edge of the substation leading to Broad Street and the ROW is well restored. 6/22/05



Trench work leading from the ROW to the shoulder of Broad Street. Conduit work is almost ready to leave the ROW here. 6/22/05





**115 kV (Gallows Hill Road, Redding)-View of the completed vault #13. The silt fence was restored and the area mulched with hay. 6/22/05**



**Some erosion in the edge of the trench asphalt was noted in a few locations east of Longwood Drive on Gallows Hill Rd. The potholes will be filled with asphalt. 6/22/05**





View of the day's finished trench cover and paving along Gallows Hill Road near house #96-109.  
6/22/05



115 kV (Route 107, Redding)-View of the recently installed vault #12 along Rt. 107 south of  
Gallows Hill Rd. 6/22/05





View of the shoulder of Rt. 107 adjacent to the vault installation. It appears that major roots of the shade tree were avoided. The area should be restored temporarily. 6/22/05



Trench work continues to the north of Putnam Park in the roadway of Rt. 107. 6/22/05





New silt fence was installed along the storage area at Putnam Park (Rt 107) however it was not toed in. Silt fence should be toed in several inches or it will not filter run-off as it is intended.



The Redding Town Yard: The excavate is being trucked to the O&G Bridgeport facility for disposal and only temporary piles remain. The concrete washout area has been cleaned out and bermed and water is no longer escaping. 6/22/05